

Ormco**Interoffice Memorandum**

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Date: May 9, 1997

To: Dan Even

Subject: **Monthly Report – April 1997
Product Development
& Engineering**

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ORMCO CONFIDENTIAL AND PROPRIETARY INFORMATION**ORTHODONTIC PRODUCTS****RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS****CustomRx CUSTOM LABIAL APPLIANCE SYSTEM (Project 853-E Craig Andreiko/Eric Chapoulaud)****a. Lab Reopening (Craig Andreiko)****1) Accomplishments / Status**

- ☒ Following the 6 months plan, the 5x5 PK Thomas Case has been created: We have manually designed a wire the fits the case and obtained bracket characteristics (Torque, In/Out and RIS). The wire was milled using a Stainless-steel plate (0.021).
- ☒ A new Jig design software was created, using the scanned images and the tooth definition (Long Axis and Section). As a result a first Jig was produced for the upper right cuspid, with correct precision. A prototype mounting was done by bonding the Jig to a bracket with a wire attachment part. This set produced an acceptable fit and positioning precision.
- ☒ Jig fit problems have been identified for the upper right lateral.

2) Goals For May

- ☐ Improving the Jig design and manufacturing precision particularly for the Central and lateral.
- ☐ Creation of a 5x5 case of Jigs.

3) Major Project Milestones

- ⊙ 3D JIG Design review: 5/31/97

b. 3D Digitizing (Eric Chapoulaud)**1) Accomplishments / Status**

- ☒ No development was taken this month.

2) Goals For May

- ☐ No development anticipated this month.

3) Major Project Milestones

- ⊙ Mandibular jaw of the PK Thomas model scanned: 6/22/97.